RAW SEQUENCE LISTING PATENT APPLICATION US/09/245,198

DATE: 05/19/2000 TIME: 18:42:50

INPUT SET: S35512.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

1		SEQUENCE LISTING
2	(-)	eneral Information: ENTERED
3	(1) G	eneral Information:
4 . 5 6 7	(i)	APPLICANT: Chicheportiche, Yves Browning, Jeffrey L.
, 8 9	(ii)	TITLE OF INVENTION: A TUMOR NECROSIS FACTOR RELATED LIGAND
10 11	(iii)	NUMBER OF SEQUENCES: 4
12 13 14 15 16 17 18	(iv)	CORRESPONDENCE ADDRESS: (A) ADDRESSEE: BIOGEN, INC. (B) STREET: 14 CAMBRIDGE CENTER (C) CITY: CAMBRIDGE (D) STATE: MA (E) COUNTRY: US (F) ZIP: 02142
20 21 22 23 24 25	(v)	COMPUTER READABLE FORM: (A) MEDIUM TYPE: Floppy disk (B) COMPUTER: IBM PC compatible (C) OPERATING SYSTEM: PC-DOS/MS-DOS (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
26 27 28 29	(vi)	CURRENT APPLICATION DATA: (A) APPLICATION NUMBER: not yet assigned (B) FILING DATE: 07-May-1997 (C) CLASSIFICATION: RECEIVED
30 31 32 33 34 35	(viii)	ATTORNEY/AGENT INFORMATION: (A) NAME: FLYNN, KERRY A. (B) REGISTRATION NUMBER: 33,693 (C) REFERENCE/DOCKET NUMBER: A003 PCT CIP TECH CENTER 1600/2900
36 37 38 39	(ix)	TELECOMMUNICATION INFORMATION: (A) TELEPHONE: (617) 679-3583 (B) TELEFAX: (617) 679-2838
41 42	(2) INFO	RMATION FOR SEQ ID NO:1:
43	(i)	SEQUENCE CHARACTERISTICS:
44	,	(A) LENGTH: 1168 base pairs
45		(B) TYPE: nucleic acid
46		(C) STRANDEDNESS: double

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49	(ii) MOLECT	JLE TYP	E: cDN	A									
50														
51	(iii) HYPOTI	HETICAL	: NO										
52 53	(iv) ANTI-S	SENSE:	NO										
54	(,												
55	(vi) ORIGI					_	_						
56		(A) (ORGANIS	M: TNF	fami	ly 1	relat	ted p	prote	ein				
57 58	(iv) FEATUI	- प्र											
59	(11			Y: CDS										
60				N: 2	676									
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62	() deom	ace pec		OM	EO 1	FD 37/	3.1.						
63 64	(XI) SEQUE	NCE DES	CRIPTIO	JN: S	EQ 1	א עו): I:						
65	G GTG C	TG AGC	CTG GGC	CTG G	CG CT	G GC	C TO	GC C	rt G	3C C'	rc c	rg c	ГG	46
66	Val L	eu Ser 1	Leu Gly	Leu A	la Le	u Al	la Cy	ys Le	eu G	Ly Le	eu Le	eu Le	eu	
67	1		5	;			-	10					15	
68	ama ama	OTTO 7.00	a ama a	100 A00	maa	aa.	7 00	ama	mam	aaa	ara.	030	com	94
69 70		GTC AGO Val Sei												34
71	vuz vuz	var bei	20	.17 501			25					30		
72														
73		GAG GAG												142
74	Ser Gin	Glu Glu		hr Ala	GIU.	_	Arg	Arg	GIu	Pro		GIu	Leu	
75 76		35	•			40					45			
77	AAT CCC	CAG AC	A GAG G	AA AGC	CAG	GAT	GTG	GTA	CCT	TTC	TTG	GAA	CAA	190
78	Asn Pro	Gln Th	r Glu G	lu Ser	Gln .	Asp	Val	Val	Pro	Phe	Leu	Glu	Gln	
79		50			55					60				
80 81	ርሞል ርሞር	CGG CC	ר ככם מ	.CA ACT	ር ርጥ	ССТ	מממ	GGC	CGG	AAG	aca	רככ	ССТ	238
82		Arg Pro												230
83	65	_		70			•	-	75	•				
84														
85		GCT ATT												286
86 87	80	Ala Ile		85	TYL .	GIU	val	90	PIO	Arg	PIO	GIA	95	
88	00			05				,					,,	
89	GAT GGA	GCA CA	A GCA G	GT GTG	GAT	GGG	ACA	GTG	AGT	GGC	TGG	GAA	GAG	334
90	Asp Gly	Ala Glr		ly Val	Asp	Gly		Val	Ser	Gly	\mathtt{Trp}		Glu	
91			100				105					110		
92 93	ACC AAA	ATC AAG	T AGC T	CC AGC	CCT	CTG	CGC	TAC	GAC	CGC	CAG	АТТ	GGG	382
94		Ile Asr												502
95	•	115				120	-	_	_	_	125		-	
96				~~ ~~	~~~					 -		a		
97 98	GAA TTT													430
98	GIU PILE	Thr Val	. IIE A	ra HIG	135	ne u	тĂт	TÄT	шeu	140	Cys	3111	val	

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100 101 102 103 104	CAC TTT GAT GAG GGA AAG GCT GTC TAC CTG AAG CTG GAC TTG CTG GTG His Phe Asp Glu Gly Lys Ala Val Tyr Leu Lys Leu Asp Leu Leu Val 145 150 155	478
105 106 107 108	AAC GGT GTG CTG GCC CTG CGC TGC CTG GAA GAA TTC TCA GCC ACA GCA Asn Gly Val Leu Ala Leu Arg Cys Leu Glu Glu Phe Ser Ala Thr Ala 160 165 170 175	526
109 110 111 112	GCA AGC TCT CCT GGG CCC CAG CTC CGT TTG TGC CAG GTG TCT GGG CTG Ala Ser Ser Pro Gly Pro Gln Leu Arg Leu Cys Gln Val Ser Gly Leu 180 185 190	574
113 114 115 116	TTG CCG CTG CGG CCA GGG TCT TCC CTT CGG ATC CGC ACC CTC CCC TGG Leu Pro Leu Arg Pro Gly Ser Ser Leu Arg Ile Arg Thr Leu Pro Trp 195 200 205	622
117 118 119 120	GCT CAT CTT AAG GCT GCC CCC TTC CTA ACC TAC TTT GGA CTC TTT CAA Ala His Leu Lys Ala Ala Pro Phe Leu Thr Tyr Phe Gly Leu Phe Gln 210 215 220	670
121 122 123 124	GTT CAC TGAGGGGCCT TGCTCTCCCA GATTCCTTAA ACTTTCCCTG GCTCCAGGAG Val His 225	726
125	CATCACCACA CCTCCCTACC CCACCCCCAC TCCTCCACCC CCTCGCTGCT CCTTGGTCCA	786
126 127	GTCCTGTCTC TCCTCAAAGG CAGCCAGAGC TTGTTCACAT GTTTCCATTC CACAGACGTA	846
128 129 130	TCCTTGCTCT TCTTAACATC CCATCCCACC ACAACTATCC ACCTCACTAG CTCCCAAAGC	906
131 132	CCCTACTTAT CCCTGACTCC CCCACCCACT CACCCGACCA CGTGTTTATT GACTTTGTGC	966
133 134	ACCAGGCACT GAGATGGGCT GGACCTGGTG GCAGGAAGCC AGAGAACCTG GGACTAGGCC	1026
135	AGAAGTTCCC AACTGTGAGG GGGAAGAGCT GGGGACAAGC TCCTCCCTGG ATCCCTGTGG	1086
136 137	ATTTTGAAAA GATACTATTT TTATTATTAT TGTGACAAAA TGTTAAATGG ATATTAAAGA	1146
138 139 140	GAATAAATCA TGATTTCTCT TC	1168
141 142	(2) INFORMATION FOR SEQ ID NO:2:	
143 144 145 146 147	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 225 amino acids(B) TYPE: amino acid(D) TOPOLOGY: linear	
148 149	(ii) MOLECULE TYPE: protein	
150 151	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:	

RAW SEQUENCE LISTING PATENT APPLICATION US/09/245,198

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INPUT SET: S35512.raw Val Leu Ser Leu Gly Leu Ala Leu Ala Cys Leu Gly Leu Leu Val Val Val Ser Leu Gly Ser Trp Ala Thr Leu Ser Ala Gln Glu Pro Ser Gln Glu Glu Leu Thr Ala Glu Asp Arg Glu Pro Pro Glu Leu Asn Pro Gln Thr Glu Glu Ser Gln Asp Val Val Pro Phe Leu Glu Gln Leu Val Arg Pro Arg Arg Ser Ala Pro Lys Gly Arg Lys Ala Arg Pro Arg Arg Ala Ile Ala Ala His Tyr Glu Val His Pro Arg Pro Gly Gln Asp Gly Ala Gln Ala Gly Val Asp Gly Thr Val Ser Gly Trp Glu Glu Thr Lys Ile Asn Ser Ser Pro Leu Arg Tyr Asp Arg Gln Ile Gly Glu Phe Thr Val Ile Arg Ala Gly Leu Tyr Tyr Leu Tyr Cys Gln Val His Phe Asp Glu Gly Lys Ala Val Tyr Leu Lys Leu Asp Leu Leu Val Asn Gly Val Leu Ala Leu Arg Cys Leu Glu Glu Phe Ser Ala Thr Ala Ala Ser Ser Pro Gly Pro Gln Leu Arg Leu Cys Gln Val Ser Gly Leu Leu Pro Leu Arg Pro Gly Ser Ser Leu Arg Ile Arg Thr Leu Pro Trp Ala His Leu Lys Ala Ala Pro Phe Leu Thr Tyr Phe Gly Leu Phe Gli Val 210 215 220 His TESHCENTER 1600/2900 His (2) INFORMATION FOR SEQ ID NO:3: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 1373 base pairs (B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

RAW SEQUENCE LISTING PATENT APPLICATION US/09/245,198

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207 208		(iii)	n.	ועיד∩ם	ያጥፕሮ:	ΔΤ.• 1	NΤΟ										
209		(,	ni.	POIM	: 1 1 C		.,,										
210		(iv)	AN'	ri-si	ENSE	: NO											
211																	
212		(vi)	OR:	IGIN	AL S	OURC	Ξ:										
213			(2	A) OI	RGAN:	ISM:	TNF	fam	ily :	relat	ted j	prot	ein				
214		,, ,			_												
215		(lx)		ATURI		zev.	ana										
216 217						KEY:		852									
218			()	5) LI	JCAI.	LOIV.	Δ	332									
219																	
220																	
221																	
222	ATG	TCA	TTG	TTA	GAC	TTT	GAA	ATT	TCC	GCC	CGC	CGG	CTC	CCC	CTC	CCC	48
223	Met	Ser	Leu	Leu	Asp	Phe	Glu	Ile	Ser		Arg	Arg	Leu	Pro		Pro	
224	1				5					10					15		
225	COR	шаа	ama.	aaa	maa	000	C N ED	000	aaa	aaa	CITIC	7.00	arc.	CCA	C A C	ccc	96
226 227		TCC Ser															96
228	ALG	261	пеп	20	Ser	Arg	Asp	GIY	25	Ala	val	Arg	GIII	30	GIII	110	
229				20					23								
230	CCC	GCC	CCC	ATG	GCC	GCC	CGT	CGG	AGC	CAG	AGG	CGG	AGG	GGG	CGC	CGG	144
231	Pro	Ala	Pro	Met	Ala	Ala	Arg	Arg	Ser	Gln	Arg	Arg	Arg	Gly	Arg	Arg	
232			35					40					45				
233																	
234		GAG															192
235	GIY	Glu	Pro	GIY	Thr	Ala		Leu	Val	Pro	Leu		Leu	GIY	Leu	GIY	
236 237		50					55					60					
238	СТС	GCG	СТС	GCC	TGC	CTC	GGC	СТС	CTG	CTG	GCC	GTG	GTC	AGT	TTG	GGG	240
239		Ala															
240	65				•	70	•				75					80	
241																	
242		CGG															288
243	Ser	Arg	Ala	Ser		Ser	Ala	Gln	Glu		Ala	Gln	Glu	Glu		Val	
244					85					90					95		
245 246	CCA	GAG	GNG	GAC	CAG	GAC	CCG	TCG	GAA	СТС	ייממ	CCC	CAG	ΔαΔ	CAA	CDD	336
247		Glu															330
248				100		p			105				U	110			
249																	
250	AGC	CAG	GAT	CCT	GCG	CCT	TTC	CTG	AAC	CGA	CTA	GTT	CGG	CCT	CGC	AGA	384
251	Ser	Gln	Asp	Pro	Ala	Pro	Phe	Leu	Asn	Arg	Leu	Val	Arg	Pro	Arg	Arg	
252			115					120					125				
253													~~~		ac-		400
254		GCA															432
255 256	ser	Ala	Pro	туѕ	ĢТХ	arg	Lуs 135	ınr	arg	АТА	arg	Arg	ATA	тте	Ата	нтα	
256 257		130					133					T-# 0					
258	САТ	TAT	GAA	GTT	САТ	CCA	CGA	CCT	GGA	CAG	GAC	GGA	GCG	CAG	GCA	GGT	480
																-	

SEQUENCE VERIFICATION REPORT PATENT APPLICATION US/09/245,198

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Original Text

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Wrong application Serial Number

(A) APPLICATION NUMBER: not yet assigned